

Claims

1. A set for measuring the linear strain of materials, comprising at least two measuring elements (1), fitted with measuring blades (3) with parallel axes of the measuring blades (2), attachable to the measured material, and a portable reading device (3) with the impression surface (4) made of a material with dimensional stability and strength lower than the strength of the material of the measuring elements (1) and/or the portable measuring device, featuring the measuring blades (2) being fitted with fixtures (5) in the center and the measuring elements (1) being fitted with necks (6) and a tapered end (7) at the bottom; the measuring elements (1) are attached to the surface of the measured material using a resin-based adhesive.
2. A measuring set under claim 1, *featuring* the measuring elements (1) being kept in a transport preparation (8), comprising a plotting board with holes (9) for the measuring elements (1), following the precision setting of parallelism of the axes of the measuring blades (2); the joint between the measuring elements (1) and the transport preparation (8) has a lower strength than the joint between the measuring elements (1) and the measured material.
3. A measuring set under claim 1 or 2, *featuring* the measuring elements (1) being placed in the shape of a rosette on the measured material.
4. A measuring set under any of the aforementioned claims, *featuring* the measuring elements (1) with an adapter (10) for the alignment of the reading device (3) with the measuring elements (1) at the measured material.
5. A measuring set under any of the aforementioned claims, *featuring* the transport preparation (8) comprising a plotting board, the ends of which are bent upward.
6. A measuring set under any of the aforementioned claims 1 to 5, *featuring* the transport preparation (8) being in the shape of a bail, fitted with surfaces for the measuring elements (1) at its ends, and a portable reading device (3) comprising a similar bail with an impression surface (4), placed at its ends.

7. A measuring set under any of the aforementioned claims, *featuring* a device for the remote transmission of the measured data to the reading device (3).